

IN THE CLAIMS:

- 1 1. (Original) A modular direct oxidation fuel cell array, comprising:
2 a plurality of individual direct oxidation fuel cells, each fuel cell having a
3 membrane electrode assembly and an anode current collector and a cathode current
4 collector, each fuel cell having a first electrical coupling component disposed thereon and
5 a second electrical coupling component disposed in a different location on said fuel cell,
6 which second component corresponds with a first component of an adjacent cell to
7 electrically and/or mechanically couple the cells together, to form a modular fuel cell
8 array.
- 1 2. (Original) The modular direct oxidation fuel cell array as defined in claim 1 wherein
2 said first electrical coupling component is a plug member, and said second electrical
3 coupling component is a socket wherein adjacent fuel cells are connected by a plug-and-
4 socket configuration.
- 1 3. – 5. (Cancelled)
- 1 6. (Original) A modular direct oxidation fuel cell array, comprising:
2 a plurality of individual direct oxidation fuel cells, each fuel cell having:
3 (i) a membrane electrode assembly and an anode current collector and
4 a cathode current collector;
5 (ii) a mechanical coupling assembly including a first mechanical
6 coupling component disposed thereon, and a corresponding second
7 mechanical coupling component disposed at another location,
8 which second mechanical coupling component corresponds with a
9 first component of an adjacent cell to fasten the fuel cell to an
10 adjacent fuel cell; and
11 (iii) an electrical connection between each of said plurality of fuel cells,
12 to form a modular fuel cell array.

1 7. - 17.(Cancelled)

1 18. (Currently Amended) A method of manufacturing a modular direct oxidation fuel cell
2 array, ~~including the steps of comprising:~~
3 manufacturing a plurality of individual fuel cells;
4 connecting said fuel cells together electrically from the cathode of one cell
5 to the anode of an adjacent cell; and
6 mechanically securing the fuel cells together to form a fuel cell array.

1 19. – 20. (Cancelled)

1 21. (Original) A connection assembly for use with a modular fuel cell array, comprising:
2 an electrical connection assembly having a first element disposed on a first fuel
3 cell, and an second element disposed on an adjacent fuel cell to electrically couple said
4 fuel cells together.

1 22. (Original) The connection assembly as defined in claim 21 further comprising:
2 a mechanical connection assembly having a first element disposed on a first fuel
3 cell, and an second element disposed on an adjacent fuel cell to mechanically couple said
4 fuel cells together.